Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	07/17/2018 11:23 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	05/12/2018 04:21 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80291	Expiration Date:	02/29/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124973	-1	1.36	125056	1.35
Blue	F	SSC	125000	123612	-2	2.10	124247	2.11
Blue	E	FITC	15760	15373	-3	3.04	332	22.43
Blue	D	PE	25880	25114	-3	2.10	546	17.06
Blue	B	PerCP-Cy5-5	34075	34003	-1	4.29	1029	22.76
Blue	A	PE-Cy7	22776	22828	0	7.41	549	45.27
Red	C	APC	42488	41705	-2	2.74	1576	13.28
Red	A	APC-Cy7	24478	24040	-2	2.79	829	13.15
Violet	B	V450	6304	6185	-2	4.17	347	17.49
Violet	A	V500	26005	25060	-4	3.60	587	13.16

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20758	5.61	607	10	N/A	N/A	Pass
Blue	F	SSC	56032	1.57	573	18	N/A	N/A	Pass
Blue	E	FITC	58	74.13	561	5	0.0158	194	Pass
Blue	D	PE	114	59.67	554	5	0.1297	337	Pass
Blue	B	PerCP-Cy5-5	197	55.73	655	8	0.0075	90	Pass
Blue	A	PE-Cy7	109	112.15	708	11	0.0092	30	Pass
Red	C	APC	374	28.15	600	0	0.0203	163	Pass
Red	A	APC-Cy7	202	28.61	571	0	0.0045	737	Pass
Violet	B	V450	54	80.41	496	7	0.0271	2210	Pass
Violet	A	V500	87	42.59	512	6	0.0122	639	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.68	-31.20	0.93
Blue	20.34	16.27 - 24.41	1.25	0.99 - 1.49	0.00	0.00	1.40
Red	17.09	13.60 - 20.40	N/A	N/A	30.92	31.51	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 11728

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments